

What is claimed is:

- 5 1. A process of manufacturing a gel comprising:
  - a) dissolving a high molecular weight polymer in an oil using stirring and a temperature above 60°C forming a blend,
  - b) cooling the blend below 60°C and adding with mixing one or more antioxidants forming a stabilized blend,
  - 10 c) adding at least one type of colloidal particle (e.g.silica) to said stabilized blend using at least a rotor and stator mixer and one other mixer forming a thixotropic blend,
  - d) optionally deaerating said thixotropic blend
  - e) cooling said thixotropic blend.
- 15 2. A process according to claim 1 wherein said rotor and stator mixer is also used to disperse said high molecular weight polymer in step a.
3. A process according to claim 1, wherein an anchor mixer is used to agitate said blend(s) along with the use of said rotor and stator mixer.
4. A process according to claim 3, also using an emulsifying mixer other  
20 than said rotor and stator mixer.
5. A process according to claim 3, wherein said blend of oil and high molecular weight polymer are heated to at least 80°C for 30 minutes to dissolve the high molecular weight polymer.
6. A process according to claim 3, wherein a suction device or tube (e.g.  
25 built into the rotor and stator) directs the colloidal silica to an area near the inlet (feed area) of the rotor and stator mixer.
7. A gel composition comprising:
  - a) a high molecular weight polymer in an oil,
  - b) one or more antioxidants, and
  - 30 c) at least one type of colloidal particle (e.g.silica).
8. A gel composition according to claim 7, wherein said gel is made by a processing of dissolving said high molecular weight polymer in oil using stirring,

cooling that product below 60°C and adding an antioxidant, and adding colloidal particles using rotor and stator mixing to increase the viscosity of the blend of oil, high molecular weight polymer and antioxidant.